

SOLVENT FREE PRIMER FOR METAL & NON POROUS SURFACESwww.gripset.com

TECHNICAL DATA SHEET

techenquiries@gripset.com**Description**

Gripset OP is a solvent free primer specifically developed with adhesion enhancing properties on metals, non porous, dense and smooth substrates. It is designed for use on both vertical and horizontal surfaces, achieving high adhesion without the need for etching or using solvents. Ideally suited for the application of Gripset membrane coatings, adhesives and mortars to enable ease of bond to difficult substrates.

Features & Benefits

- * Solvent free alternative to dangerous solvent based primers
- * Bonds to a variety of metal, plastic, glazed, smooth & dense surface
- * Super adhesion properties
- * Ease of application
- * Very low dirt retention, non tacky
- * Suitable for internal and external applications
- * Can be directly covered over with Gripset membranes or enhanced adhesives and mortars
- * Time saving, user friendly and environmentally safe

Application

- * Gripset OP is suitable for commercial, industrial and residential applications

Priming Applications & Suitable Substrates

- * Metals including: galvanised iron, zincalume, aluminium, stainless steel, copper, brass treated steel, colorbond sheeting
- * Precast and tilt up concrete, glass reinforced concrete
- * Hardwood and dense timber surfaces
- * Existing ceramic tiles, vitrified tiles and natural stone
- * Brickwork (clay and concrete)
- * Compressed cement sheeting, plasterboard surfaces
- * James Hardie™ Scyon™ Secura™ external/internal flooring
- * Polymer mortars, synthetic mortars, smooth self levelling compounds
- * Marine plywood and timber sheet surfaces
- * Glass
- * Rigid plastic surfaces
- * General surfaces where absorbing primers are not suitable or where adhesion enhancement is required agent

Surface Preparation

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean, with substrate compressive strength a minimum 25MPa and cohesive strength a minimum 1.5MPa. Rough surfaces are to be evened or filled first (refer to Gripset 11Y). Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application. All surfaces are to be free of sharp protruding surfaces, loose material, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods. For thorough surface preparation, refer to Gripset SC (algae and moss remover) and Gripset DG (water based oil degreaser) products.

Application

Stir product well before using and apply product using a low nap roller or long bristle brush. Ensure coverage is even to the surface being treated. Contact Gripset Technical Services for details on spray application.

Coverage & Consumption

On smooth, non porous surfaces, such as metal, glass reinforced concrete, glazed tiles, a minimum coverage of 1 litre/12m² is required. Depending on the absorbency and nature of the surface, coverage of 1 litre/5m² may be required.

Storage

- * Best stored at room temperature.
- * Avoid cold freezing conditions and off concrete floors.
- * Do not store in direct sunlight.
- * Shelf life is 12 months in original unopened container.

Packaging

- * 5 litre and 15 litre pails
- * Colour – light violet

Precautions

- * Not to be used as primer for areas with rising moisture or negative hydrostatic pressure
- * This product is not classified as hazardous according to Worksafe Australia, however skin irritation may occur to sensitive individuals. Always use safe protective clothing and methods when applying. Consult the Material Safety Data Sheets (**MSDS**) for this product for further information.
- * For further information about this product contact technical department of Gripset Industries.

Clean Up

- * On hands or skin while product is wet – use soap and water.
- * Once cured use solvent free hand cleaners.

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Technical Data

Form	Viscous paste
Colour	Wet Film – White Dry Film – Off White
Density	1.3g/cm ³
Drying time	60 mins @ 18°C & 50% RH
Viscosity	4000 mPa.s
pH	8
Adhesion properties	
-Glazed tiles	0.83MPa
-Hardies Scyon™	0.8MPa
-Structafloor ®	0.6 MPa (failure within timber surface)

VOC Content (ISO 13741)	0.02g/litre
The VOC Content of Gripset OP is below the maximum VOC Content for Architectural and Interior Sealants as required by Green Star Ratings tools Education v1, Healthcare v1, Industrial v1, Multi Unit Residential v1, Office Interiors v1.1, Office Design v2, Office v3, Office As Built v2 and Retail Centre v1	

Notes

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Gripset Industries offers a service for pre testing adhesion to surfaces for large commercial areas or unusual substrates. For further details contact Gripset Industries.

Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with Gripset Technical Services before commencing the application. A written confirmation will then be issued by Gripset Technical Services.

Gripset Industries Pty Ltd

ABN: 64 137 930 093

Telephone: +61 (8) 8124-7300 or 1800 650 435

Email: techenquiries@gripset.comWebsite: www.gripset.com

Product Disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Gripset Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.